Performance Data Sheet

AKA4460YXA

General Information

Model	AKA4460YXA	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	5530	4710	4060	3530	3060	2590	2040
	Watts	521	549	574	592	600	594	573
	Amps	6.91	7.19	7.43	7.60	7.68	7.65	7.49
	Lb/h	73.4	64.2	57.8	52.9	48.6	43.5	36.7
25	Btu/h	6210	5340	4660	4100	3590	3080	2490
	Watts	542	575	606	631	648	653	643
	Amps	7.11	7.41	7.67	7.88	8.02	8.05	7.97
	Lb/h	82.4	73.1	66.5	61.6	57.2	52.1	45.2
30	Btu/h	6980	6070	5350	4750	4200	3650	3020
	Watts	560	598	635	668	693	708	708
	Amps	7.29	7.60	7.89	8.15	8.33	8.44	8.43
	Lb/h	92.8	83.3	76.7	71.7	67.2	62.0	55.1
35	Btu/h	7840	6890	6120	5480	4890	4290	3620
	Watts	577	619	662	701	735	759	770
	Amps	7.45	7.78	8.10	8.39	8.63	8.80	8.88
	Lb/h	104	94.9	88.2	83.1	78.5	73.3	66.3
40	Btu/h	8770	7780	6960	6270	5630	4990	4270
	Watts	592	638	686	732	773	806	827
	Amps	7.60	7.94	8.29	8.63	8.92	9.16	9.31
	Lb/h	117	108	101	95.6	91.0	85.7	78.7
45	Btu/h	9770	8720	7860	7120	6430	5730	4970
	Watts	606	656	708	760	809	850	881
	Amps	7.73	8.09	8.47	8.85	9.20	9.50	9.73
	Lb/h	131	121	114	109	104	99.2	92.2
50	Btu/h	10800	9720	8800	8010	7260	6520	5700
	Watts	619	672	729	786	841	891	931
	Amps	7.85	8.23	8.64	9.06	9.47	9.84	10.1
	Lb/h	146	136	129	124	119	114	107
55	Btu/h	11900	10800	9780	8930	8130	7320	6450
	Watts	632	687	748	810	872	929	978
	Amps	7.97	8.37	8.81	9.27	9.73	10.2	10.6
	Lb/h	161	151	144	139	134	129	122

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.382485E+04	4.824307E+02	3.369828E+00	3.549330E+02
C2	5.529595E+01	3.827835E+00	1.338268E-01	5.482796E-01
C3	-4.798364E+02	-5.718293E+00	1.221579E-02	-7.693100E+00
C4	3.605990E+00	9.836078E-03	-7.673312E-04	4.156067E-02
C5	-4.526413E-01	-6.960173E-02	-1.853097E-03	-6.099490E-03
C6	3.746725E+00	1.049571E-01	5.316797E-04	6.432671E-02
C7	-1.474830E-02	3.018793E-04	3.763006E-06	-1.871895E-04
C8	-6.867588E-03	-8.707661E-04	8.647884E-07	1.093610E-05
C9	1.260477E-04	1.251932E-03	1.249010E-05	1.763469E-05
C10	-1.052312E-02	-5.453806E-04	-3.705206E-06	-1.889689E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature